

PATENT  
ATTY DOCKET NO.: RLC-74**Listing of the Claims:**

1-7 (Canceled)

- 1           8. (Currently amended) A method for transferring large amounts of complex data  
2 between a data link module and a host across a bit level network, said method comprising  
3 the steps of:
- 4           (a) configuring a channel set to said data link module;  
5           (b) configuring a frame address to said data link module;  
6           (c) sending a multi-bit message from said host to said data link module, said  
7 multi-bit message including a message command segment on a first channel of said  
8 channel set at said data link module frame address and a message data segment on a  
9 second channel of said channel set at said data link module frame address, said message  
10 command segment including a register operand and at least either of a read request or a  
11 write request;
- 12           (d) accessing a register in said data link module specified in said register operand  
13 as a specified register and reading a value from said specified register as a read value in  
14 response to said read request or writing said message data segment to said specified  
15 register in response to said write request;
- 16           (e) sending, on a first channel of said channel set at said data link module frame  
17 address, a reply from said data link module to said host said reply including a reply  
18 command segment equal to said message command segment [on a first channel of said  
19 channel set at said data link module frame address] and on a second channel of said  
20 channel set at said data link module frame address, a reply data containing said read value  
21 in response to said read request or being equal to said message command segment in  
22 response to said write request [on a second channel of said channel set at said data link  
23 module frame address].

9-13 (Canceled)

**PATENT**  
**USSN: 09/686,178**

1 14. (Currently amended) A method for transferring large amounts of complex data  
2 between a data link module and a host across a bit level network , said method  
3 comprising the steps of:

4 (a) configuring a channel set having at least two bit level time division  
5 multiplexed channels to said data link module;

6 (b) configuring a frame address to said data link module;

7 (c) sending a message from said host to said data link module, said message  
8 including a message command segment on a first channel of said channel set at said data  
9 link module frame address and a message data segment on at least one other channel of  
10 said channel set at said data link module frame address, said message command segment  
11 including a register operand and at least either of a read request or a write request;

12 (d) accessing a register in said data link module specified in said register operand  
13 as a specified register and reading a value from said specified register as a read value in  
14 response to said read request or writing said message data segment to said specified  
15 register in response to said write request;

16 [(f)] (e) sending a reply from said data link module to said host, said reply  
17 including a reply command segment equal to said message command segment on a first  
18 channel of said channel set at said data link module frame address and a reply data  
19 segment containing said read value in response to said read request or being equal to said  
20 message command segment in response to said write request on at least one other channel  
21 of said channel set at said data link module frame address.

15-18 (Canceled)